

DT07 Rec'd PCT/PTO 07 MAR 2005

CT-#2

PTO/SB/21 (01-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/518,202	
	Filing Date	12/16/2004	
	First Named Inventor	Brian S. Vandrak	
	Art Unit	unknown	
	Examiner Name	unknown	
Total Number of Pages in This Submission	122	Attorney Docket Number	30816-0094

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b> Copies of references cited Return postcard		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual	Louis F. Wagner
Signature	
Date	March 4, 2005

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <u>March 4, 2005</u>			
MAIL STOP Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450			
Typed or printed	Louis F. Wagner		
Signature		Date	March 4, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, Washington, DC 20231.**

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL  
For FY 2005**

Complete if Known

10/518202

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$750.00)

Application Number	unknown
Filing Date	December 14, 2004
First Named Inventor	VANDRAK, Brian et al.
Examiner Name	unknown
Art Unit	unknown
Attorney Docket No.	30816-0094

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 50-0983 Deposit Account Name: Buckingham Doolittle & Burroughs

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	500
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**  
 30 - 20 or HP = 10 x 25 = 250

HP = highest number of total claims paid for, if greater than 20

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**  
 1 - 3 or HP = 0 x = 0

HP = highest number of independent claims paid for, if greater than 3

**Multiple Dependent Claims**  
**Fee (\$)**      **Fee Paid (\$)**  
 0      0

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets**      **Extra Sheets**      **Number of each additional 50 or fraction thereof**      **Fee (\$)**      **Fee Paid (\$)**  
 - 100 = / 50 = (round up to a whole number) x =

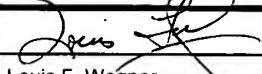
**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: \_\_\_\_\_

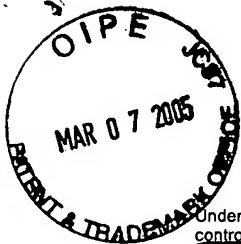
Fees Paid (\$)

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 35,730	Telephone 330-258-6453
Name (Print/Type)	Louis F. Wagner	Date December 14, 2004	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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#2

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO			<b>Complete if Known</b>		
			Application Number	10/518,202	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			Filing Date	12/16/2004	
			First Named Inventor	Brian S. Vandrak	
(use as many sheets as necessary)			Art Unit	Unknown	
			Examiner Name	Unknown	
Sheet	1	of	2	Attorney Docket Number	30816-0094

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>5</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	AA	US- 1,639,780	8/1927	Mulholland	
	AB	US- 3,139,879	7/1964	Bauer et al.	
	AC	US- 3,590,806	7/1971	Locke	
	AD	US- D243,694	3/1977	Faulkner	
	AE	US- 4,340,362	7/1982	Chalupsky et al.	
	AF	US- 4,348,172	9/1982	Miller	
	AG	US- 4,640,680	2/1987	Schilling	
	AH	US- 4,843,313	7/1989	Walton	
	AI	US- 5,090,899	2/1992	Kee	
	AJ	US- 5,239,979	8/1993	Maurice et al.	
	AK	US- 5,645,043	7/1997	Long et al.	
	AL	US- D391,345	2/1998	Mandir et al.	
	AM	US- 5,838,243	11/1998	Gallo	
	AN	US- 5,941,699	8/1999	Abele	
	AO	US- 6,340,298	1/2002	Vandrak, et al.	
	AP	US- 6,648,635	11/2003	Vandrak, et al.	
	AQ	US- 5,470,018	11/1995	Smith	
	AR	US- 5,807,098	09/1998	Deng	
		US-			
		US-			

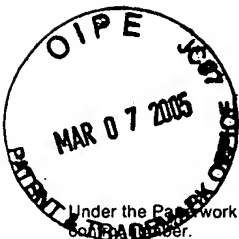
FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>5</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	-Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
	BA	UK	253,043		Mulholland	
	BB	JP	S54-116747		Matsushita Electric	
		Applicant's attorney is submitting a translation of the Japanese patent. In light of the lack of foreign language capabilities possessed by the applicant's attorney with respect to Japanese, it is not possible to make any assertions regarding the document and the examiner is encouraged to consult with the Translations branch of the Office.				

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PTO/SB/08B (10-01)  
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		<b>Application Number</b>	10/518,202
		<b>Filing Date</b>	12/16/2004
		<b>First Named Inventor</b>	Brian S. Vandrak
		<b>Group Art Unit</b>	Unknown
		<b>Examiner Name</b>	Unknown
		<b>Attorney Docket Number</b>	30816-0094
Sheet	2	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	CA	O'Meara Camping Centers (web page), Cookers & Heaters, "ALVIMA CARASOL 3b HEATER", data sheets pp. 1-7, 6/26/02. ✓	
	CB	Dynamx Incorporated Warehouse Appliance (web page), Williams Heaters - Vent-Free Home Models, data sheets pp. 1-4, 6/26/02. ✓	
	CC	AGA, American Gas Association, Fact Sheet, "Oxygen Depletion Sensing (ODS) Systems", December 1984. ✓	
	CD	Bullfinch (Gas Equipment) Limited, The Simba Range Ultra Safe-Low Cost Mobile Cabinet Heaters, 2 pages, undated. ✓	
	CE	Mobile Gas Supplies, Mobile Heaters, data sheets pp. 1-4, 3/6/02. ✓	
	CF	Brians of Sheerness, Valor Fires, data sheets pp. 1-2, 3/6/02.	
	CG	Mobile Gas Supplies, Thurcroft Stove, data sheets pp 1-2, 3/6/02. ✓	
	CH	The Coleman Co., Inc., 3000 BTU Propane Catalytic Heater, instructions for use pp. 1-4, undated. ✓	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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